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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,830	08/09/2006	Paul Shalk	DC10029 PCT1	4508
137 7590 12/14/2007 DOW CORNING CORPORATION CO1232			EXAMINER	
2200 W. SALZBURG ROAD			TAYLOR, EARL N	
P.O. BOX 994 MIDLAND, M			ART UNIT	PAPER NUMBER
·· , · ·			2818	
			NOTIFICATION DATE	DELIVERY MODE
		•	12/14/2007	ELECTRONIC

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patents.admin@dowcorning.com

	Application No.	Applicant(s)	
;	10/588,830	SHALK ET AL.	
Office Action Summary	Examiner	Art Unit	
	Earl N. Taylor	2818	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	th the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory perions failure to reply within the set or extended period for reply will, by stat Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI 1.136(a). In no event, however, may a od will apply and will expire SIX (6) MON oute, cause the application to become Al	CATION.  eply be timely filed  THS from the mailing date of this communication.  EANDONED (35 U.S.C. § 133).	
Status			
<ul> <li>1) Responsive to communication(s) filed on 24</li> <li>2a) This action is FINAL. 2b) The 3 Triple of the closed in accordance with the practice under the closed in accordance with the closed in the close</li></ul>	nis action is non-final.  vance except for formal mat		
Disposition of Claims		•	
4) ⊠ Claim(s) <u>1-10</u> is/are pending in the application 4a) Of the above claim(s) is/are withdrest signal is a signal is	rawn from consideration.		
Application Papers			
9) The specification is objected to by the Exami 10) The drawing(s) filed on is/are: a) according a constant may not request that any objection to the Replacement drawing sheet(s) including the correction.  The oath or declaration is objected to by the	ccepted or b) objected to ne drawing(s) be held in abeyar ection is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d)	i.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the prapplication from the International Bure * See the attached detailed Office action for a li	ents have been received. ents have been received in A riority documents have been eau (PCT Rule 17.2(a)).	pplication No received in this National Stage	
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) s)/Mail Date	
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date		nformal Patent Application	

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#### **DETAILED ACTION**

### Response to Arguments

1. Applicant's arguments, filed September 24, 2007, with respect to the rejection(s) of claim(s) 1-10 under 102(b) have been fully considered and are persuasive.

Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Xu (International Publication Number WO 2005/019307 A1).

### Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Xu (International Publication Number WO 2005/019307 A1).

The applied reference has a common assignee with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes

prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be

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overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Referring to Claim 1, Xu teaches, in Fig. 1 for example, an organic light-emitting diode comprising: a substrate (100) having a first opposing surface and a second opposing surface; a first electrode layer (102) overlying the first opposing surface; a light-emitting element (104) overlying the first electrode layer (102), the light-emitting element (104) comprising a hole-transport layer (106) and an emissive/electrontransport layer (108), wherein the hole-transport layer (106) and the emissive/electrontransport layer (108) lie directly on one another, and the hole-transport layer (106) comprises a cured polysiloxane and a second electrode layer (110) overlying the lightemitting element (104) (par. 8, 11 and 80). The language, term, or phrase "polysiloxane" prepared by applying a silicone composition to form a film and curing the film, wherein the silicone composition comprises (A) a polysiloxane prepared by reacting a silane selected from at least one substituted silane having the formula R<sup>1</sup> SiX<sub>3</sub> and a mixture comprising the substituted silane and at least one tetrafunctional silane having the formula  $SiX_4$  with water in the presence of an organic solvent, wherein  $R^1$  is -Y-Cz. - $(CH_2)_m$ - $C_nF_{2n+1}$ , or - $(CH_2)_m$ - $C_6F_5$ , wherein Cz is N-carbazolyl, Y is a divalent organic group, m is an integer from 2 to 10, n is an integer from 1 to 3, and X is a hydrolysable group, and (B) an organic solvent", is directed towards the process of making a polysiloxane. It is well settled that "product by process" limitations in claims drawn to

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structure are directed to the product, *per se*, no matter how actually made. *In re Hirao*, 190 USPQ 15 at 17 (footnote 3). See also, *In re Brown*, 173 USPQ 685; *In re Luck*, 177 USPQ 523; *In re Fessmann*, 180 USPQ 324; *In re Avery*, 186 USPQ 161; *In re Wethheim*, 191 USPQ 90 (209 USPQ 554 does not deal with this issue); *In re Marosi et al.*, 218 USPQ 289; and particularly *In re Thorpe*, 227 USPQ 964, all of which make it clear that it is the patentability of the final product *per se* which must be determined in a "product by process" claim, and not the patentability of the process, and that an old or obvious product produced by a new method is not patentable as a product, whether claimed in "product by process" claims or otherwise. The above case law further makes clear that applicant has the burden of showing that the method language necessarily produces a structural difference.

As such, the language "polysiloxane prepared by ..." only requires polysiloxane, which does not distinguish the invention from Xu, who teaches the structure as claimed.

Referring to Claims 2-8, Xu teaches all of the limitations of Claim 1. The entirety of Claims 2-8 are directed to the process of making the polysiloxane. It is well settled that "product by process" limitations in claims drawn to structure are directed to the product, per se, no matter how actually made. In re Hirao, 190 USPQ 15 at 17 (footnote 3). See also, In re Brown, 173 USPQ 685; In re Luck, 177 USPQ 523; In re Fessmann, 180 USPQ 324; In re Avery, 186 USPQ 161; In re Wethheim, 191 USPQ 90 (209 USPQ 554 does not deal with this issue); In re Marosi et al., 218 USPQ 289; and particularly In re Thorpe, 227 USPQ 964, all of which make it clear that it is the patentability of the final product per se which must be determined in a "product by process" claim, and not the

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method is not patentable as a product, whether claimed in "product by process" claims or otherwise. The above case law further makes clear that applicant has the burden of showing that the method language necessarily produces a structural difference.

As such, the language "polysiloxane prepared by ..." only requires polysiloxane, which does not distinguish the invention from Xu, who teaches the structure as claimed.

Referring to Claim 9, Xu teaches all of the limitations of Claim 1 wherein the emmisive/electron transport layer comprises a fluorescent dye (par. 9).

Referring to Claim 10, Xu teaches all of the limitations of Claim 1 further comprising at least one of a hole-injection layer and an electron injection layer (par. 79).

## Telephone / Fax Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Earl N. Taylor whose telephone number is (571) 272-8894. The examiner can normally be reached on Monday-Friday from 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Loke can be reached on (571) 272-1657. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Examiner: Earl N. Taylor

STEVEN LOKE